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PATENT TRADEMARK OFFICE

Docket No: 3153/1F534US1

DARBY & DARBY P.C.

805 Third Avenue
New York, New York 10022
212-527-7700

Box PATENT APPLICATION
Assistant Commissioner for Patents
Washington, DC 20231

Sir:

Enclosed please find an application for United States patent as identified below:

Inventor/s (name ALL inventors): Stephen R. QUAKE; Hou-Pu CHOU

Title: METHODS AND SYSTEMS FOR MOLECULAR FINGERPRINTING

including the items indicated:

1. Specification and 55 claims: 4 indep.; 51 dep.; 0 multiple dep.; including 100 page(s) of written description; 10 page(s) of claims; 1 page(s) of abstract.
2. Drawings, 13 sheets (Figs. 1-15)
3. Executed Declaration/Power of Attorney
 Unexecuted Declaration/Power of Attorney
4. Application Data Sheet under 37 C.F.R. §1.76.

5. Assignment for recording to:

Assignment was recorded at Reel No. , Frame No. , on .

Pursuant to 37 C.F.R. §1.215(b), please print the following assignment information on the face of the published application:

Assignee: California Institute of Technology, Inc.

6. The applicant claims small entity status.

7. Priority is claimed under 35 U.S.C. §119(b) of:

Country:

Number:

Date:

A certified copy of the prior document is enclosed will follow was filed in a previous application.

8. Priority is claimed under 35 U.S.C. §119(e) of:

Number: 60/194,422
Date: April 4, 2000

A certified copy of the prior document is enclosed will follow was filed in a previous application.

9. Request and Certification under 35 U.S.C. §122(b)(2)(B)(i) for Nonpublication.

10. Payment in amount of \$.00, (\$ filing; \$ recording)
in the form of
 check
 deposit account no. 04-0100

Serial No. Not yet assigned

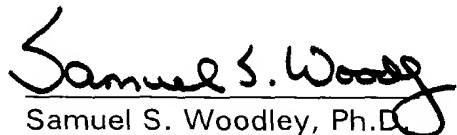
Docket No. 3153/1F534US1

credit card (see attached form)
(See attached **Fee Computation Sheet**)

11. Preliminary Amendment
12. Information Disclosure Statement
13. Nucleotide or Amino Acid Sequence Listing.

Hard Copy CRF

Respectfully submitted,


Samuel S. Woodley, Ph.D.

Reg. No. 43,287
Agent for Applicant(s)

Dated: April 4, 2001

Serial No. Not yet assigned

Docket No. 3153/1F534US1